

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A detector comprising a base structure with guide elements,
 - detector modules with at least one respective guide structure for positioning relative to at least one of the respective guide elements, wherein
 - the guide elements extend in a first direction,
 - at least two of the detector modules are positioned consecutively on one of the same guide elements in the first direction and
 - there are guide elements which are separated from one another in a second direction.
2. (Previously presented) A detector as claimed in claim 1, wherein at least two of the detector modules in the second direction are arranged consecutively on at least two of the guide elements.
3. (Previously presented) A detector as claimed in claim 1, wherein at least one spacer element is arranged on at least one of the guide elements between the base structure and one of the detector modules or between two of the detector modules.
4. (Previously presented) A detector as claimed in claim 1, wherein the guide elements in the second direction are arranged next to one another with a spacing pattern and the extent of the detector modules in the second direction substantially equals a spacing between two of the guide elements.

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5. (Previously presented) A detector as claimed in claim 1, wherein the base structure is curved in the second direction.
6. (Previously presented) A detector as claimed in claim 1, wherein at least two of the detector elements have a different shape.
7. (Previously presented) A detector as claimed in claim 1, wherein the guide elements are rods.
8. (Previously presented) A detector as claimed in claim 1, wherein at least one clamping element is provided for fixing one of the detector modules.
9. (Previously presented) A detector according to claim 1, wherein the detector modules each have at least one respective continuous recess in the first direction.
10. (Previously presented) An X-ray device in which a detector as claimed in claim 1 is used.
11. (Currently amended) Method for manufacturing a detector, in particular for use in an X-ray device, in which detector modules are slipped each on at least one guide element by means of at least one respective guide structure of the respective detector module, whereby the guide elements extend in a first direction of a base structure and wherein at least two of the detector modules being consecutively slipped onto one of the same guide elements and there are detector modules that are separated from one another in a second direction.
12. (New) The method of claim 11, comprising arranging at least two of the detector modules in the second direction consecutively on at least two of the guide elements.

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13. (New) The method of claim 11, comprising arranging at least one spacer element on at least one of the guide elements between the base structure and one of the detector modules or between two of the detector modules.
14. (New) The method of claim 11, comprising arranging the guide elements in the second direction next to one another with a spacing pattern and the extent of the detector modules in the second direction substantially equals a spacing between two of the guide elements.
15. (New) The method of claim 11, comprising curving the base structure in the second direction.
16. (New) The method of claim 11, comprising shaping at least two of the detector elements differently.
17. (New) The method of claim 11, comprising selecting the guide elements are rods.
18. (New) The method of claim 11, comprising fixing one of the detector modules with at least one clamping element.
19. (New) The method of claim 11, forming at least one respective continuous recess in the first direction in each of the detector modules.
20. (New) The method of claim 11, comprising using an X-ray device with the detector.